

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	Aztec Water Intake
					Sample ID	Aztec Water Intake
					Date	8/6/2015
Recreationa Agriculture						
Metals, Dissolved			I RSL e			
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	0.041 J
Antimony, Dissolved	7440-36-0	mg/l			--	0.0012 J
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.0005
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.075
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.00002 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.00003 J
Calcium, Dissolved	7440-70-2	mg/l			--	59.1
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	0.0036
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.0001
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.0014
Iron, Dissolved	7439-89-6	mg/l	120000		--	0.005 J
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.00006 J
Magnesium, Dissolved	7439-95-4	mg/l			--	9.16
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.029
Mercury, Dissolved	7439-97-6	mg/l			--	0.00007 J
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.0012
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0022
Potassium, Dissolved	7440-09-7	mg/l			--	2.33
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.0006 J
Silver, Dissolved	7440-22-4	mg/l			--	< 0.00003 U
Sodium, Dissolved	7440-23-5	mg/l			--	16
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.0001
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.0012
Zinc, Dissolved	7440-66-6	mg/l	50000		--	0.026 J
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	0.982
Antimony, Total	7440-36-0	mg/l			--	0.0007
Arsenic, Total	7440-38-2	mg/l			--	0.0009
Barium, Total	7440-39-3	mg/l			--	0.0977
Beryllium, Total	7440-41-7	mg/l			--	0.00009 J
Cadmium, Total	7440-43-9	mg/l			--	0.0002
Calcium, Total	7440-70-2	mg/l			--	59.9
Chromium, Total	7440-47-3	mg/l			--	0.0004 J
Cobalt, Total	7440-48-4	mg/l			--	0.0007
Copper, Total	7440-50-8	mg/l			--	0.0044
Iron, Total	7439-89-6	mg/l			--	0.977
Lead, Total	7439-92-1	mg/l			--	0.005
Magnesium, Total	7439-95-4	mg/l			--	9.39
Manganese, Total	7439-96-5	mg/l			--	0.12
Mercury, Total	7439-97-6	mg/l			--	< 0.00002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.0012
Nickel, Total	7440-02-0	mg/l			--	0.0029

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Potassium, Total	7440-09-7	mg/l			--	Potassium, Total	7440-09-7
Selenium, Total	7782-49-2	mg/l			--	Selenium, Total	7782-49-2
Silver, Total	7440-22-4	mg/l			--	Silver, Total	7440-22-4
Sodium, Total	7440-23-5	mg/l			--	Sodium, Total	7440-23-5
Thallium, Total	7440-28-0	mg/l			--	Thallium, Total	7440-28-0
Vanadium, Total	7440-62-2	mg/l			--	Vanadium, Total	7440-62-2
Zinc, Total	7440-66-6	mg/l			--	Zinc, Total	7440-66-6
<b>General</b>						<b>General</b>	
Alkalinity	STL00171	mg/L			--	Alkalinity	STL00171
Chloride	16887-00-6	mg/L			--	Chloride	16887-00-6
Fluoride	16984-48-8	mg/L			--	Fluoride	16984-48-8
Nitrate as N	14797-55-8	mg/L			--	Nitrate as N	14797-55-8
pH	STL00204	SU			--	pH	STL00204
Sulfate	14808-79-8	mg/L			--	Sulfate	14808-79-8
Total Dissolved Solids	STL00242	mg/L			--	Total Dissolved Solids	STL00242
Total Hardness	STL00009	mg/L			--	Total Hardness	STL00009
Total Suspended Solids	STL00161	mg/L			--	Total Suspended Solids	STL00161

**Bold - Bolded results identify a detected value.**

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL) - Data Estimated qualifier (also applied to all

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

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Table 1  
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 Upper Animas River

Units			Location	Aztec Water Intake	Farmington Water Intake	ADWS-IT1
			Sample ID	Aztec Water Intake	Farmington Water Intake	ADWS-IT1-150807-21
			Date	8/6/2015	8/6/2015	8/7/2015
Recreationa Agriculture						
IRSL						
mg/l	170000		--	0.041 J	0.044 J	0.032 J
mg/l			--	0.0012 J	0.0007 J	< 0.001 U
mg/l	50	100	--	0.0005	0.0006	0.00052 J
mg/l	33000		--	0.075	0.0698	0.066
mg/l	330	100	--	< 0.00002 U	< 0.00002 U	< 0.0004 U
mg/l	83	10	--	0.00003 J	0.00002 J	< 0.0001 U
mg/l			--	59.1	62	58
mg/l	210000	100	--	0.0036	0.0035	< 0.002 U
mg/l	50		--	0.0001	0.0002	0.00012 J
mg/l	6700	100	--	0.0014	0.0014	0.001
mg/l	120000		--	0.005 J	< 0.003 U	< 0.05 U
mg/l	200	100	--	0.00006 J	0.00005 J	< 0.0003 U
mg/l			--	9.16	9.58	8.5
mg/l	7800	200	--	0.029	0.036	0.0071
mg/l			--	0.00007 J	0.00003 J	< 0.0002 U
mg/l			--	0.0012	0.0012	0.001
mg/l	330	200	--	0.0022	0.0021	0.0014
mg/l			--	2.33	2.54	2.2
mg/l		20	--	0.0006 J	0.0007 J	< 0.002 U
mg/l			--	< 0.00003 U	< 0.00003 U	< 0.001 U
mg/l			--	16	19.8	14
mg/l	1.7		--	0.0001	0.0001	< 0.0002 U
mg/l	830		--	0.0012	0.0014	0.00032 J
mg/l	50000		--	0.026 J	0.027 J	< 0.02 U
mg/l			--	0.982	2.53	0.6
mg/l			--	0.0007	0.0003 J	< 0.001 U
mg/l			--	0.0009	0.0011	0.00061 J
mg/l			--	0.0977	0.0987	0.071
mg/l			--	0.00009 J	0.0002 J	< 0.0004 U
mg/l			--	0.0002	0.0002	0.000099 J
mg/l			--	59.9	63.1	58
mg/l			--	0.0004 J	0.0011	< 0.002 U
mg/l			--	0.0007	0.0011	0.00032 J
mg/l			--	0.0044	0.0055	0.0024
mg/l			--	0.977	2.06	0.48
mg/l			--	0.005	0.006	0.002
mg/l			--	9.39	9.88	8.5
mg/l			--	0.12	0.158	0.06
mg/l			--	< 0.00002 U	< 0.00002 U	< 0.0002 U
mg/l			--	0.0012	0.0011	0.0011
mg/l			--	0.0029	0.0038	0.0016

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Potassium, Total	7440-09-7	mg/l			--	mg/l		
Selenium, Total	7782-49-2	mg/l			--	mg/l		
Silver, Total	7440-22-4	mg/l			--	mg/l		
Sodium, Total	7440-23-5	mg/l			--	mg/l		
Thallium, Total	7440-28-0	mg/l			--	mg/l		
Vanadium, Total	7440-62-2	mg/l			--	mg/l		
Zinc, Total	7440-66-6	mg/l			--	mg/l		
<b>General</b>								
Alkalinity	STL00171	mg/L			--	mg/L		
Chloride	16887-00-6	mg/L			--	mg/L		
Fluoride	16984-48-8	mg/L			--	mg/L		
Nitrate as N	14797-55-8	mg/L			--	mg/L		
pH	STL00204	SU			--	SU		
Sulfate	14808-79-8	mg/L			--	mg/L		
Total Dissolved Solids	STL00242	mg/L			--	mg/L		
Total Hardness	STL00009	mg/L			--	mg/L		
Total Suspended Solids	STL00161	mg/L			--	mg/L		

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Solids equivalent = ug/Kg

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Location	Aztec Water Intake	Farmington Water Intake	ADWS-IT1	ADWS-IT1
Sample ID	Aztec Water Intake	Farmington Water Intake	ADWS-IT1-150807-21	ADWS-IT1-150807-22
Date	8/6/2015	8/6/2015	8/7/2015	8/7/2015

--	0.041 J	0.044 J	0.032 J	0.034 J
--	0.0012 J	0.0007 J	< 0.001 U	< 0.001 U
--	0.0005	0.0006	0.00052 J	0.00057 J
--	0.075	0.0698	0.066	0.066
--	< 0.00002 U	< 0.00002 U	< 0.0004 U	< 0.0004 U
--	0.00003 J	0.00002 J	< 0.0001 U	< 0.0001 U
--	59.1	62	58	58
--	0.0036	0.0035	< 0.002 U	< 0.002 U
--	0.0001	0.0002	0.00012 J	0.00013 J
--	0.0014	0.0014	0.001	0.0011
--	0.005 J	< 0.003 U	< 0.05 U	< 0.05 U
--	0.00006 J	0.00005 J	< 0.0003 U	< 0.0003 U
--	9.16	9.58	8.5	8.5
--	0.029	0.036	0.0071	0.0078
--	0.00007 J	0.00003 J	< 0.0002 U	< 0.0002 U
--	0.0012	0.0012	0.001	0.0011
--	0.0022	0.0021	0.0014	0.0014
--	2.33	2.54	2.2	2.2
--	0.0006 J	0.0007 J	< 0.002 U	< 0.002 U
--	< 0.00003 U	< 0.00003 U	< 0.001 U	< 0.001 U
--	16	19.8	14	14
--	0.0001	0.0001	< 0.0002 U	< 0.0002 U
--	0.0012	0.0014	0.00032 J	< 0.001 U
--	0.026 J	0.027 J	< 0.02 U	< 0.02 U

--	0.982	2.53	0.6	0.66
--	0.0007	0.0003 J	< 0.001 U	< 0.001 U
--	0.0009	0.0011	0.00061 J	0.00084 J
--	0.0977	0.0987	0.071	0.072
--	0.00009 J	0.0002 J	< 0.0004 U	< 0.0004 U
--	0.0002	0.0002	0.000099 J	0.00011
--	59.9	63.1	58	58
--	0.0004 J	0.0011	< 0.002 U	< 0.002 U
--	0.0007	0.0011	0.00032 J	0.00035 J
--	0.0044	0.0055	0.0024	0.0027
--	0.977	2.06	0.48	0.53
--	0.005	0.006	0.002	0.0022
--	9.39	9.88	8.5	8.5
--	0.12	0.158	0.06	0.065
--	< 0.00002 U	< 0.00002 U	< 0.0002 U	< 0.0002 U
--	0.0012	0.0011	0.0011	0.001
--	0.0029	0.0038	0.0016	0.0018

Table 1  
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Potassium, Total	7440-09-7	mg/l			--	--	<b>2.68</b>
Selenium, Total	7782-49-2	mg/l			--	--	<b>0.0004 J</b>
Silver, Total	7440-22-4	mg/l			--	--	< 0.00003 U
Sodium, Total	7440-23-5	mg/l			--	--	<b>15.9</b>
Thallium, Total	7440-28-0	mg/l			--	--	<b>0.0001</b>
Vanadium, Total	7440-62-2	mg/l			--	--	<b>0.0017</b>
Zinc, Total	7440-66-6	mg/l			--	--	<b>0.059</b>
<b>General</b>							
Alkalinity	STL00171	mg/L			--	--	
Chloride	16887-00-6	mg/L			--	--	
Fluoride	16984-48-8	mg/L			--	--	
Nitrate as N	14797-55-8	mg/L			--	--	
pH	STL00204	SU			--	--	
Sulfate	14808-79-8	mg/L			--	--	
Total Dissolved Solids	STL00242	mg/L			--	--	
Total Hardness	STL00009	mg/L			--	--	
Total Suspended Solids	STL00161	mg/L			--	--	

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Recreationa Agriculture						
Metals, Dissolved						
IRSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	0.044 J
Antimony, Dissolved	7440-36-0	mg/l			--	0.0007 J
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.0006
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.0698
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.00002 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.00002 J
Calcium, Dissolved	7440-70-2	mg/l			--	62
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	0.0035
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.0002
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.0014
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 0.003 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.00005 J
Magnesium, Dissolved	7439-95-4	mg/l			--	9.58
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.036
Mercury, Dissolved	7439-97-6	mg/l			--	0.00003 J
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.0012
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0021
Potassium, Dissolved	7440-09-7	mg/l			--	2.54
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.0007 J
Silver, Dissolved	7440-22-4	mg/l			--	< 0.00003 U
Sodium, Dissolved	7440-23-5	mg/l			--	19.8
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.0001
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.0014
Zinc, Dissolved	7440-66-6	mg/l	50000		--	0.027 J
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Barium, Total	7440-39-3	mg/l			--	0.0987
Beryllium, Total	7440-41-7	mg/l			--	0.0002 J
Cadmium, Total	7440-43-9	mg/l			--	0.0002
Calcium, Total	7440-70-2	mg/l			--	63.1
Chromium, Total	7440-47-3	mg/l			--	0.0011
Cobalt, Total	7440-48-4	mg/l			--	0.0011
Copper, Total	7440-50-8	mg/l			--	0.0055
Iron, Total	7439-89-6	mg/l			--	2.06
Lead, Total	7439-92-1	mg/l			--	0.006
Magnesium, Total	7439-95-4	mg/l			--	9.88
Manganese, Total	7439-96-5	mg/l			--	0.158
Mercury, Total	7439-97-6	mg/l			--	< 0.00002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.0011
Nickel, Total	7440-02-0	mg/l			--	0.0038

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Potassium, Total	7440-09-7	mg/l			--	<b>3.01</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.0004 J</b>
Silver, Total	7440-22-4	mg/l			--	< 0.00003 U
Sodium, Total	7440-23-5	mg/l			--	<b>19.8</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.0001</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>0.0036</b>
Zinc, Total	7440-66-6	mg/l			--	<b>0.062</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	
Total Hardness	STL00009	mg/L			--	
Total Suspended Solids	STL00161	mg/L			--	

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Recreationa Agriculture						
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Antimony, Dissolved	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.00052 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.066
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l			--	58
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.00012 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.001
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 0.05 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	< 0.0003 U
Magnesium, Dissolved	7439-95-4	mg/l			--	8.5
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.0071
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.001
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0014
Potassium, Dissolved	7440-09-7	mg/l			--	2.2
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 0.002 U
Silver, Dissolved	7440-22-4	mg/l			--	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l			--	14
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.00032 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	0.6
Antimony, Total	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Total	7440-38-2	mg/l			--	0.00061 J
Barium, Total	7440-39-3	mg/l			--	0.071
Beryllium, Total	7440-41-7	mg/l			--	< 0.0004 U
Cadmium, Total	7440-43-9	mg/l			--	0.000099 J
Calcium, Total	7440-70-2	mg/l			--	58
Chromium, Total	7440-47-3	mg/l			--	< 0.002 U
Cobalt, Total	7440-48-4	mg/l			--	0.00032 J
Copper, Total	7440-50-8	mg/l			--	0.0024
Iron, Total	7439-89-6	mg/l			--	0.48
Lead, Total	7439-92-1	mg/l			--	0.002
Magnesium, Total	7439-95-4	mg/l			--	8.5
Manganese, Total	7439-96-5	mg/l			--	0.06
Mercury, Total	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.0011
Nickel, Total	7440-02-0	mg/l			--	0.0016

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2.3</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.002 U
Silver, Total	7440-22-4	mg/l			--	< 0.001 U
Sodium, Total	7440-23-5	mg/l			--	<b>14</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.00015 J</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>0.0008 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>0.02</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>92</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.17 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>180</b>
Total Hardness	STL00009	mg/L			--	<b>23</b>
Total Suspended Solids	STL00161	mg/L			--	

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADWS-IT1
					Sample ID	ADWS-IT1-150807-22
					Date	8/7/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	0.034 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.00057 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.066
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l			--	58
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.00013 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.0011
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 0.05 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	< 0.0003 U
Magnesium, Dissolved	7439-95-4	mg/l			--	8.5
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.0078
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.0011
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0014
Potassium, Dissolved	7440-09-7	mg/l			--	2.2
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 0.002 U
Silver, Dissolved	7440-22-4	mg/l			--	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l			--	14
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.001 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	0.66
Antimony, Total	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Total	7440-38-2	mg/l			--	0.00084 J
Barium, Total	7440-39-3	mg/l			--	0.072
Beryllium, Total	7440-41-7	mg/l			--	< 0.0004 U
Cadmium, Total	7440-43-9	mg/l			--	0.00011
Calcium, Total	7440-70-2	mg/l			--	58
Chromium, Total	7440-47-3	mg/l			--	< 0.002 U
Cobalt, Total	7440-48-4	mg/l			--	0.00035 J
Copper, Total	7440-50-8	mg/l			--	0.0027
Iron, Total	7439-89-6	mg/l			--	0.53
Lead, Total	7439-92-1	mg/l			--	0.0022
Magnesium, Total	7439-95-4	mg/l			--	8.5
Manganese, Total	7439-96-5	mg/l			--	0.065
Mercury, Total	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.001
Nickel, Total	7440-02-0	mg/l			--	0.0018

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2.3</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.002 U
Silver, Total	7440-22-4	mg/l			--	< 0.001 U
Sodium, Total	7440-23-5	mg/l			--	<b>14</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.0002 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.00094 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>0.021</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>93</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.26 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>180</b>
Total Hardness	STL00009	mg/L			--	<b>24</b>
Total Suspended Solids	STL00161	mg/L			--	

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADWS-IT2
					Sample ID	ADWS-IT2-150807-21
					Date	8/7/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	0.03 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.00054 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.067
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l			--	59
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.00013 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.0011
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 0.05 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.000061 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8.3
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.0071
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.001
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0014
Potassium, Dissolved	7440-09-7	mg/l			--	2.2
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 0.002 U
Silver, Dissolved	7440-22-4	mg/l			--	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l			--	13
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.00011 J
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.001 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	0.54
Antimony, Total	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Total	7440-38-2	mg/l			--	0.00063 J
Barium, Total	7440-39-3	mg/l			--	0.071
Beryllium, Total	7440-41-7	mg/l			--	< 0.0004 U
Cadmium, Total	7440-43-9	mg/l			--	0.00011
Calcium, Total	7440-70-2	mg/l			--	58
Chromium, Total	7440-47-3	mg/l			--	< 0.002 U
Cobalt, Total	7440-48-4	mg/l			--	0.0003 J
Copper, Total	7440-50-8	mg/l			--	0.0023
Iron, Total	7439-89-6	mg/l			--	0.42
Lead, Total	7439-92-1	mg/l			--	0.0017
Magnesium, Total	7439-95-4	mg/l			--	8.2
Manganese, Total	7439-96-5	mg/l			--	0.053
Mercury, Total	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.001
Nickel, Total	7440-02-0	mg/l			--	0.0016

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2.3</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.002 U
Silver, Total	7440-22-4	mg/l			--	< 0.001 U
Sodium, Total	7440-23-5	mg/l			--	<b>13</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.0002 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.00083 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>0.019 J</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>93</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.2 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>180</b>
Total Hardness	STL00009	mg/L			--	<b>21</b>
Total Suspended Solids	STL00161	mg/L			--	

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FWS-ARP2
					Sample ID	FWS-ARP2-150807-21
					Date	8/7/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	0.029 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.00074 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.069
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l			--	68
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.00016 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.0012
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 0.05 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	< 0.0003 U
Magnesium, Dissolved	7439-95-4	mg/l			--	9.6
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.021
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.0012
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0015
Potassium, Dissolved	7440-09-7	mg/l			--	2.4
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 0.002 U
Silver, Dissolved	7440-22-4	mg/l			--	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l			--	22
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.001 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	1.4
Antimony, Total	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Total	7440-38-2	mg/l			--	0.00081 J
Barium, Total	7440-39-3	mg/l			--	0.079
Beryllium, Total	7440-41-7	mg/l			--	< 0.0004 U
Cadmium, Total	7440-43-9	mg/l			--	0.000092 J
Calcium, Total	7440-70-2	mg/l			--	67
Chromium, Total	7440-47-3	mg/l			--	< 0.002 U
Cobalt, Total	7440-48-4	mg/l			--	0.00052
Copper, Total	7440-50-8	mg/l			--	0.0031
Iron, Total	7439-89-6	mg/l			--	1
Lead, Total	7439-92-1	mg/l			--	0.0026
Magnesium, Total	7439-95-4	mg/l			--	9.6
Manganese, Total	7439-96-5	mg/l			--	0.091
Mercury, Total	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.0012
Nickel, Total	7440-02-0	mg/l			--	0.0021

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2.6</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.002 U
Silver, Total	7440-22-4	mg/l			--	< 0.001 U
Sodium, Total	7440-23-5	mg/l			--	<b>22</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.0002 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.0019</b>
Zinc, Total	7440-66-6	mg/l			--	<b>0.02</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>91</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.31 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>210</b>
Total Hardness	STL00009	mg/L			--	<b>43</b>
Total Suspended Solids	STL00161	mg/L			--	

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-FD
					Sample ID	LVW-FD-150807-21
					Date	8/7/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 0.2 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.0011
Barium, Dissolved	7440-39-3	mg/l	33000		--	0.11
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l			--	77
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.00022 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	0.0014
Iron, Dissolved	7439-89-6	mg/l	120000		--	0.042 J
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.00018 J
Magnesium, Dissolved	7439-95-4	mg/l			--	10
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	0.024
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.0015
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.0021
Potassium, Dissolved	7440-09-7	mg/l			--	2.8
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 0.002 U
Silver, Dissolved	7440-22-4	mg/l			--	< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l			--	31
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.00044 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	2.3
Antimony, Total	7440-36-0	mg/l			--	< 0.001 U
Arsenic, Total	7440-38-2	mg/l			--	0.0014
Barium, Total	7440-39-3	mg/l			--	0.12
Beryllium, Total	7440-41-7	mg/l			--	< 0.0004 U
Cadmium, Total	7440-43-9	mg/l			--	0.000064 J
Calcium, Total	7440-70-2	mg/l			--	75
Chromium, Total	7440-47-3	mg/l			--	0.0012 J
Cobalt, Total	7440-48-4	mg/l			--	0.00056
Copper, Total	7440-50-8	mg/l			--	0.0031
Iron, Total	7439-89-6	mg/l			--	1.4
Lead, Total	7439-92-1	mg/l			--	0.0029
Magnesium, Total	7439-95-4	mg/l			--	10
Manganese, Total	7439-96-5	mg/l			--	0.083
Mercury, Total	7439-97-6	mg/l			--	< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l			--	0.0015
Nickel, Total	7440-02-0	mg/l			--	0.0024

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>3.2</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.002 U
Silver, Total	7440-22-4	mg/l			--	< 0.001 U
Sodium, Total	7440-23-5	mg/l			--	<b>29</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.0002 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.0031</b>
Zinc, Total	7440-66-6	mg/l			--	<b>0.013 J</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>120</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.11 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>230</b>
Total Hardness	STL00009	mg/L			--	<b>36</b>
Total Suspended Solids	STL00161	mg/L			--	

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADWS-ARP
					Sample ID	ADWS-ARP
					Date	11
						8/8/2015
Recreation Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.58 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	49
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	61000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	< 0.4 U
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.3
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.17 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8100
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	2.9
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.5
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	14000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 1 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U F1
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	4200
Antimony, Total	7440-36-0	mg/l			--	1.5
Arsenic, Total	7440-38-2	mg/l			--	11
Barium, Total	7440-39-3	mg/l			--	97
Beryllium, Total	7440-41-7	mg/l			--	0.29 J
Cadmium, Total	7440-43-9	mg/l			--	0.55
Calcium, Total	7440-70-2	mg/l			--	69000
Chromium, Total	7440-47-3	mg/l			--	1.7 J
Cobalt, Total	7440-48-4	mg/l			--	1.3
Copper, Total	7440-50-8	mg/l			--	49
Iron, Total	7439-89-6	mg/l			--	15000
Lead, Total	7439-92-1	mg/l			--	230
Magnesium, Total	7439-95-4	mg/l			--	9400
Manganese, Total	7439-96-5	mg/l			--	260
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	4
Nickel, Total	7440-02-0	mg/l			--	2.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>3700</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.58 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>1.6</b>
Sodium, Total	7440-23-5	mg/l			--	<b>15000</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.12 J</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>10</b>
Zinc, Total	7440-66-6	mg/l			--	<b>180</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>87</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.04 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>290</b>
Total Hardness	STL00009	mg/L			--	<b>210</b>
Total Suspended Solids	STL00161	mg/L			--	<b>140</b>

**Bold - Bolded results identify a detected value.**

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADWS-IT1
					Sample ID	ADWS-IT1-150000
					Date	11
						8/8/2015
Recreation Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	< 1 U
Barium, Dissolved	7440-39-3	mg/l	33000		--	50
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	60000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	< 0.4 U
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.15 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8100
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	3
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.15 J
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 1 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	2800
Antimony, Total	7440-36-0	mg/l			--	1.1
Arsenic, Total	7440-38-2	mg/l			--	7.6
Barium, Total	7440-39-3	mg/l			--	84
Beryllium, Total	7440-41-7	mg/l			--	0.2 J
Cadmium, Total	7440-43-9	mg/l			--	0.4
Calcium, Total	7440-70-2	mg/l			--	67000
Chromium, Total	7440-47-3	mg/l			--	1.1 J
Cobalt, Total	7440-48-4	mg/l			--	0.95
Copper, Total	7440-50-8	mg/l			--	34
Iron, Total	7439-89-6	mg/l			--	10000
Lead, Total	7439-92-1	mg/l			--	150
Magnesium, Total	7439-95-4	mg/l			--	9100
Manganese, Total	7439-96-5	mg/l			--	200
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	3
Nickel, Total	7440-02-0	mg/l			--	1.8

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>3200</b>
Selenium, Total	7782-49-2	mg/l			--	< 2 U
Silver, Total	7440-22-4	mg/l			--	<b>1</b>
Sodium, Total	7440-23-5	mg/l			--	<b>14000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.2 U
Vanadium, Total	7440-62-2	mg/l			--	<b>6.9</b>
Zinc, Total	7440-66-6	mg/l			--	<b>140</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>94</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.06 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>260</b>
Total Hardness	STL00009	mg/L			--	<b>200</b>
Total Suspended Solids	STL00161	mg/L			--	<b>93</b>

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADWS-IT2
					Sample ID	ADWS-IT2 150000
					Date	11
						8/8/2015
Recreation Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.5 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	55
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	57000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	< 0.4 U
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.6
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.25 J
Magnesium, Dissolved	7439-95-4	mg/l			--	7800
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	5.6
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.41 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	1900
Antimony, Total	7440-36-0	mg/l			--	0.73 J
Arsenic, Total	7440-38-2	mg/l			--	4.4
Barium, Total	7440-39-3	mg/l			--	75
Beryllium, Total	7440-41-7	mg/l			--	< 0.4 U
Cadmium, Total	7440-43-9	mg/l			--	0.3
Calcium, Total	7440-70-2	mg/l			--	61000
Chromium, Total	7440-47-3	mg/l			--	< 2 U
Cobalt, Total	7440-48-4	mg/l			--	0.68
Copper, Total	7440-50-8	mg/l			--	23
Iron, Total	7439-89-6	mg/l			--	6000
Lead, Total	7439-92-1	mg/l			--	81
Magnesium, Total	7439-95-4	mg/l			--	8400
Manganese, Total	7439-96-5	mg/l			--	150
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	2
Nickel, Total	7440-02-0	mg/l			--	1.4

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2900</b>
Selenium, Total	7782-49-2	mg/l			--	< 2 U
Silver, Total	7440-22-4	mg/l			--	<b>0.55 J</b>
Sodium, Total	7440-23-5	mg/l			--	<b>13000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.2 U
Vanadium, Total	7440-62-2	mg/l			--	<b>4.3</b>
Zinc, Total	7440-66-6	mg/l			--	<b>110</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>91</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.13 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>260</b>
Total Hardness	STL00009	mg/L			--	<b>190</b>
Total Suspended Solids	STL00161	mg/L			--	<b>67</b>

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FWS-ARP2
					Sample ID	11
					Date	8/8/2015
Recreationa Agriculture						
Metals, Dissolved						
I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.38 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	56
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	66000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.14 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8300
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	1.7 J
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.7
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.4
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.37 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U F1
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	5300 F1
Antimony, Total	7440-36-0	mg/l			--	1.6
Arsenic, Total	7440-38-2	mg/l			--	11
Barium, Total	7440-39-3	mg/l			--	100
Beryllium, Total	7440-41-7	mg/l			--	0.31 J
Cadmium, Total	7440-43-9	mg/l			--	0.5
Calcium, Total	7440-70-2	mg/l			--	69000
Chromium, Total	7440-47-3	mg/l			--	1.8 J
Cobalt, Total	7440-48-4	mg/l			--	1.2
Copper, Total	7440-50-8	mg/l			--	47
Iron, Total	7439-89-6	mg/l			--	16000
Lead, Total	7439-92-1	mg/l			--	220
Magnesium, Total	7439-95-4	mg/l			--	9400
Manganese, Total	7439-96-5	mg/l			--	220
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	4.1
Nickel, Total	7440-02-0	mg/l			--	2.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>4000</b>
Selenium, Total	7782-49-2	mg/l			--	<b>1 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>1.6</b>
Sodium, Total	7440-23-5	mg/l			--	<b>17000</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.12 J</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>11</b>
Zinc, Total	7440-66-6	mg/l			--	<b>170</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>88</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.1 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>290</b>
Total Hardness	STL00009	mg/L			--	<b>210</b>
Total Suspended Solids	STL00161	mg/L			--	<b>170</b>

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FWS-FDPS
					Sample ID	11
					Date	8/8/2015
Recreation Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.76 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	66000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.14 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.6
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.2 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8400
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	1.6 J
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.7
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.8
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.36 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	5000
Antimony, Total	7440-36-0	mg/l			--	1.4
Arsenic, Total	7440-38-2	mg/l			--	10
Barium, Total	7440-39-3	mg/l			--	110
Beryllium, Total	7440-41-7	mg/l			--	0.3 J
Cadmium, Total	7440-43-9	mg/l			--	0.45
Calcium, Total	7440-70-2	mg/l			--	70000
Chromium, Total	7440-47-3	mg/l			--	1.8 J
Cobalt, Total	7440-48-4	mg/l			--	1.3
Copper, Total	7440-50-8	mg/l			--	43
Iron, Total	7439-89-6	mg/l			--	14000
Lead, Total	7439-92-1	mg/l			--	200
Magnesium, Total	7439-95-4	mg/l			--	9600
Manganese, Total	7439-96-5	mg/l			--	230
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	3.7
Nickel, Total	7440-02-0	mg/l			--	2.3

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>3800</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.83 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>1.4</b>
Sodium, Total	7440-23-5	mg/l			--	<b>17000</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.11 J</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>10</b>
Zinc, Total	7440-66-6	mg/l			--	<b>160</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>90</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.1 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>290</b>
Total Hardness	STL00009	mg/L			--	<b>210</b>
Total Suspended Solids	STL00161	mg/L			--	<b>150</b>

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D - Diluted value qualifier.

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-FD
					Sample ID	LVW-FD-150808-11
					Date	8/8/2015
Recreationa Agriculture						
Metals, Dissolved			I RSL e			
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	390
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.76 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	81
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	52000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.23 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.7
Iron, Dissolved	7439-89-6	mg/l	120000		--	220
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.5
Magnesium, Dissolved	7439-95-4	mg/l			--	6600
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	20
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.8
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.8
Potassium, Dissolved	7440-09-7	mg/l			--	2500
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	20000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.73 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	22000
Antimony, Total	7440-36-0	mg/l			--	0.64 J
Arsenic, Total	7440-38-2	mg/l			--	14
Barium, Total	7440-39-3	mg/l			--	370
Beryllium, Total	7440-41-7	mg/l			--	1.2
Cadmium, Total	7440-43-9	mg/l			--	0.34
Calcium, Total	7440-70-2	mg/l			--	64000
Chromium, Total	7440-47-3	mg/l			--	12
Cobalt, Total	7440-48-4	mg/l			--	8.3
Copper, Total	7440-50-8	mg/l			--	55
Iron, Total	7439-89-6	mg/l			--	30000
Lead, Total	7439-92-1	mg/l			--	240
Magnesium, Total	7439-95-4	mg/l			--	11000
Manganese, Total	7439-96-5	mg/l			--	530
Mercury, Total	7439-97-6	mg/l			--	0.089 J
Molybdenum, Total	7439-98-7	mg/l			--	3.4
Nickel, Total	7440-02-0	mg/l			--	12

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>7000</b>
Selenium, Total	7782-49-2	mg/l			--	<b>1.4 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>1.6</b>
Sodium, Total	7440-23-5	mg/l			--	<b>22000</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.29</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>34</b>
Zinc, Total	7440-66-6	mg/l			--	<b>160</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>83</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.03 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>260</b>
Total Hardness	STL00009	mg/L			--	<b>210</b>
Total Suspended Solids	STL00161	mg/L			--	<b>910</b>

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

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Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-WPI
					Sample ID	11
					Date	8/8/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	270
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.76 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	70
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	51000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.18 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.5
Iron, Dissolved	7439-89-6	mg/l	120000		--	150
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.36
Magnesium, Dissolved	7439-95-4	mg/l			--	6500
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	3.5
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.8
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.5
Potassium, Dissolved	7440-09-7	mg/l			--	2500
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	19000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.15 J
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.68 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	29000
Antimony, Total	7440-36-0	mg/l			--	1.2
Arsenic, Total	7440-38-2	mg/l			--	15
Barium, Total	7440-39-3	mg/l			--	400
Beryllium, Total	7440-41-7	mg/l			--	1.5
Cadmium, Total	7440-43-9	mg/l			--	0.45
Calcium, Total	7440-70-2	mg/l			--	67000
Chromium, Total	7440-47-3	mg/l			--	17
Cobalt, Total	7440-48-4	mg/l			--	10
Copper, Total	7440-50-8	mg/l			--	58
Iron, Total	7439-89-6	mg/l			--	36000
Lead, Total	7439-92-1	mg/l			--	240
Magnesium, Total	7439-95-4	mg/l			--	12000
Manganese, Total	7439-96-5	mg/l			--	620
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	4.4
Nickel, Total	7440-02-0	mg/l			--	14

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>8400</b>
Selenium, Total	7782-49-2	mg/l			--	<b>1 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>1.5</b>
Sodium, Total	7440-23-5	mg/l			--	<b>21000</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.37</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>46</b>
Zinc, Total	7440-66-6	mg/l			--	<b>170</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>83</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.02 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>270</b>
Total Hardness	STL00009	mg/L			--	<b>220</b>
Total Suspended Solids	STL00161	mg/L			--	<b>1100</b>

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	MWSS-ARI
					Sample ID	11
					Date	8/8/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.52 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	57
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	67000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.15 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.6
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.23 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8600
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	4.3
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.7
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.9
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	4600
Antimony, Total	7440-36-0	mg/l			--	1.5
Arsenic, Total	7440-38-2	mg/l			--	11
Barium, Total	7440-39-3	mg/l			--	110
Beryllium, Total	7440-41-7	mg/l			--	0.29 J
Cadmium, Total	7440-43-9	mg/l			--	0.51
Calcium, Total	7440-70-2	mg/l			--	68000
Chromium, Total	7440-47-3	mg/l			--	1.8 J
Cobalt, Total	7440-48-4	mg/l			--	1.3
Copper, Total	7440-50-8	mg/l			--	46
Iron, Total	7439-89-6	mg/l			--	14000
Lead, Total	7439-92-1	mg/l			--	210
Magnesium, Total	7439-95-4	mg/l			--	9200
Manganese, Total	7439-96-5	mg/l			--	230
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	3.9
Nickel, Total	7440-02-0	mg/l			--	2.2

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>3600</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.69 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>1.5</b>
Sodium, Total	7440-23-5	mg/l			--	<b>16000</b>
Thallium, Total	7440-28-0	mg/l			--	<b>0.11 J</b>
Vanadium, Total	7440-62-2	mg/l			--	<b>10</b>
Zinc, Total	7440-66-6	mg/l			--	<b>170</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>89</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.12 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>290</b>
Total Hardness	STL00009	mg/L			--	<b>210</b>
Total Suspended Solids	STL00161	mg/L			--	<b>150</b>

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	NSW-ARI
					Sample ID	NSW-ARI-150808-11
					Date	8/8/2015
Recreationa Agriculture						
Metals, Dissolved			IRSL			
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 200 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.62 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	52
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l			--	58000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.5
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.15 J
Magnesium, Dissolved	7439-95-4	mg/l			--	7900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	5.4
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	< 2 U
Silver, Dissolved	7440-22-4	mg/l			--	< 1 U
Sodium, Dissolved	7440-23-5	mg/l			--	12000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 1 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	2200
Antimony, Total	7440-36-0	mg/l			--	0.93 J
Arsenic, Total	7440-38-2	mg/l			--	6.1
Barium, Total	7440-39-3	mg/l			--	80
Beryllium, Total	7440-41-7	mg/l			--	0.16 J
Cadmium, Total	7440-43-9	mg/l			--	0.38
Calcium, Total	7440-70-2	mg/l			--	63000
Chromium, Total	7440-47-3	mg/l			--	< 2 U
Cobalt, Total	7440-48-4	mg/l			--	0.78
Copper, Total	7440-50-8	mg/l			--	29
Iron, Total	7439-89-6	mg/l			--	8300
Lead, Total	7439-92-1	mg/l			--	110
Magnesium, Total	7439-95-4	mg/l			--	8700
Manganese, Total	7439-96-5	mg/l			--	170
Mercury, Total	7439-97-6	mg/l			--	< 0.2 U
Molybdenum, Total	7439-98-7	mg/l			--	2.5
Nickel, Total	7440-02-0	mg/l			--	1.7

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>3000</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.61 J</b>
Silver, Total	7440-22-4	mg/l			--	<b>0.8 J</b>
Sodium, Total	7440-23-5	mg/l			--	<b>13000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.2 U
Vanadium, Total	7440-62-2	mg/l			--	<b>5.5</b>
Zinc, Total	7440-66-6	mg/l			--	<b>130</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>99</b>
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	<b>8.12 HF</b>
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	<b>270</b>
Total Hardness	STL00009	mg/L			--	<b>190</b>
Total Suspended Solids	STL00161	mg/L			--	<b>71</b>

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-010
					Sample ID	ADW-010-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	24
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	63000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.9
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.18
Magnesium, Dissolved	7439-95-4	mg/l			--	8700
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	9.3
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.99
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	14000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	29
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	440
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.3
Barium, Total	7440-39-3	mg/l			--	70
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.19
Calcium, Total	7440-70-2	mg/l			--	64000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.42
Copper, Total	7440-50-8	mg/l			--	9.2
Iron, Total	7439-89-6	mg/l			--	1800
Lead, Total	7439-92-1	mg/l			--	14
Magnesium, Total	7439-95-4	mg/l			--	8600
Manganese, Total	7439-96-5	mg/l			--	120
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.86
Nickel, Total	7440-02-0	mg/l			--	1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2300
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	14000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1.6
Zinc, Total	7440-66-6	mg/l			--	63
<b>General</b>						
Alkalinity	STL00171	mg/L			--	91
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.09
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	260
Total Hardness	STL00009	mg/L			--	190
Total Suspended Solids	STL00161	mg/L			--	260

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-021
					Sample ID	ADW-021-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	24
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	59
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	63000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.8
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.076
Magnesium, Dissolved	7439-95-4	mg/l			--	8600
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	8.9
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	9.1
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	400
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.3
Barium, Total	7440-39-3	mg/l			--	70
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.14
Calcium, Total	7440-70-2	mg/l			--	65000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.39
Copper, Total	7440-50-8	mg/l			--	8.6
Iron, Total	7439-89-6	mg/l			--	1600
Lead, Total	7439-92-1	mg/l			--	14
Magnesium, Total	7439-95-4	mg/l			--	8700
Manganese, Total	7439-96-5	mg/l			--	110
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.91
Nickel, Total	7440-02-0	mg/l			--	1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2200
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	13000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1.4
Zinc, Total	7440-66-6	mg/l			--	60
<b>General</b>						
Alkalinity	STL00171	mg/L			--	85
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	7.67
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	160
Total Hardness	STL00009	mg/L			--	200
Total Suspended Solids	STL00161	mg/L			--	160

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-022
					Sample ID	ADW-022-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	37
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	61
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	62000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.33
Magnesium, Dissolved	7439-95-4	mg/l			--	8300
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	14
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.98
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	12000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	5.9
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	780
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.7
Barium, Total	7440-39-3	mg/l			--	71
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.18
Calcium, Total	7440-70-2	mg/l			--	62000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.44
Copper, Total	7440-50-8	mg/l			--	10
Iron, Total	7439-89-6	mg/l			--	2400
Lead, Total	7439-92-1	mg/l			--	34
Magnesium, Total	7439-95-4	mg/l			--	8200
Manganese, Total	7439-96-5	mg/l			--	98
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.2
Nickel, Total	7440-02-0	mg/l			--	1.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2200
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.21
Sodium, Total	7440-23-5	mg/l			--	11000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1.9
Zinc, Total	7440-66-6	mg/l			--	58
<b>General</b>						
Alkalinity	STL00171	mg/L			--	88
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.16
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	250
Total Hardness	STL00009	mg/L			--	190
Total Suspended Solids	STL00161	mg/L			--	250

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D - Diluted value qualifier.

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FW-012
					Sample ID	FW-012-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	46
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	62
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	68000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.1
Iron, Dissolved	7439-89-6	mg/l	120000		--	34
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.84
Magnesium, Dissolved	7439-95-4	mg/l			--	8900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	13
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.87
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	15
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	1300
Antimony, Total	7440-36-0	mg/l			--	0.45
Arsenic, Total	7440-38-2	mg/l			--	2.2
Barium, Total	7440-39-3	mg/l			--	80
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.11
Calcium, Total	7440-70-2	mg/l			--	68000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.62
Copper, Total	7440-50-8	mg/l			--	12
Iron, Total	7439-89-6	mg/l			--	3200
Lead, Total	7439-92-1	mg/l			--	41
Magnesium, Total	7439-95-4	mg/l			--	9100
Manganese, Total	7439-96-5	mg/l			--	120
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.6
Nickel, Total	7440-02-0	mg/l			--	1.4

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2500
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.27
Sodium, Total	7440-23-5	mg/l			--	16000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	2.6
Zinc, Total	7440-66-6	mg/l			--	63
<b>General</b>						
Alkalinity	STL00171	mg/L			--	94
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.26
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	290
Total Hardness	STL00009	mg/L			--	210
Total Suspended Solids	STL00161	mg/L			--	290

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FW-040
					Sample ID	FW-040-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	24
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	66
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	70000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	4.3
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.19
Magnesium, Dissolved	7439-95-4	mg/l			--	9200
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	6.6
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	2.3
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	86
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	510
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.6
Barium, Total	7440-39-3	mg/l			--	80
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.19
Calcium, Total	7440-70-2	mg/l			--	69000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.58
Copper, Total	7440-50-8	mg/l			--	10
Iron, Total	7439-89-6	mg/l			--	1900
Lead, Total	7439-92-1	mg/l			--	14
Magnesium, Total	7439-95-4	mg/l			--	8800
Manganese, Total	7439-96-5	mg/l			--	160
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.93
Nickel, Total	7440-02-0	mg/l			--	1.2

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2200
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	16000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1.8
Zinc, Total	7440-66-6	mg/l			--	71
<b>General</b>						
Alkalinity	STL00171	mg/L			--	110
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.15
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	280
Total Hardness	STL00009	mg/L			--	210
Total Suspended Solids	STL00161	mg/L			--	280

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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-020
					Sample ID	LVW-020-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	24
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.78
Barium, Dissolved	7440-39-3	mg/l	33000		--	73
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	54000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	1.7
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.085
Magnesium, Dissolved	7439-95-4	mg/l			--	7100
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	3.9
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.5
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2400
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	20000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.6
Zinc, Dissolved	7440-66-6	mg/l	50000		--	66
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	3200
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	2.4
Barium, Total	7440-39-3	mg/l			--	170
Beryllium, Total	7440-41-7	mg/l			--	0.65
Cadmium, Total	7440-43-9	mg/l			--	0.15
Calcium, Total	7440-70-2	mg/l			--	63000
Chromium, Total	7440-47-3	mg/l			--	1.3
Cobalt, Total	7440-48-4	mg/l			--	3.2
Copper, Total	7440-50-8	mg/l			--	12
Iron, Total	7439-89-6	mg/l			--	2400
Lead, Total	7439-92-1	mg/l			--	11
Magnesium, Total	7439-95-4	mg/l			--	8000
Manganese, Total	7439-96-5	mg/l			--	340
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.7
Nickel, Total	7440-02-0	mg/l			--	3.4

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	3100
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	19000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	6.8
Zinc, Total	7440-66-6	mg/l			--	45
<b>General</b>						
Alkalinity	STL00171	mg/L			--	96
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.08
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	200
Total Hardness	STL00009	mg/L			--	190
Total Suspended Solids	STL00161	mg/L			--	200

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-030
					Sample ID	LVW-030-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	440
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.49
Barium, Dissolved	7440-39-3	mg/l	33000		--	82
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	53000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.37
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	290
Lead, Dissolved	7439-92-1	mg/l	200	100	--	1.1
Magnesium, Dissolved	7439-95-4	mg/l			--	6900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	23
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.6
Potassium, Dissolved	7440-09-7	mg/l			--	2500
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	20000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	1.4
Zinc, Dissolved	7440-66-6	mg/l	50000		--	48
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	4300
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	2.6
Barium, Total	7440-39-3	mg/l			--	200
Beryllium, Total	7440-41-7	mg/l			--	0.94
Cadmium, Total	7440-43-9	mg/l			--	0.19
Calcium, Total	7440-70-2	mg/l			--	67000
Chromium, Total	7440-47-3	mg/l			--	2.2
Cobalt, Total	7440-48-4	mg/l			--	4.5
Copper, Total	7440-50-8	mg/l			--	15
Iron, Total	7439-89-6	mg/l			--	3100
Lead, Total	7439-92-1	mg/l			--	13
Magnesium, Total	7439-95-4	mg/l			--	8300
Manganese, Total	7439-96-5	mg/l			--	470
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.58
Nickel, Total	7440-02-0	mg/l			--	4.4

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	3400
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	20000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	9.6
Zinc, Total	7440-66-6	mg/l			--	49
<b>General</b>						
Alkalinity	STL00171	mg/L			--	90
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.08
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	130
Total Hardness	STL00009	mg/L			--	200
Total Suspended Solids	STL00161	mg/L			--	130

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	MW-020
					Sample ID	MW-020-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	31
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	63
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	68000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.1
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.13
Magnesium, Dissolved	7439-95-4	mg/l			--	9000
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	11
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	2.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.1
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	25
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	500
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.6
Barium, Total	7440-39-3	mg/l			--	76
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.12
Calcium, Total	7440-70-2	mg/l			--	68000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.47
Copper, Total	7440-50-8	mg/l			--	9.5
Iron, Total	7439-89-6	mg/l			--	1800
Lead, Total	7439-92-1	mg/l			--	15
Magnesium, Total	7439-95-4	mg/l			--	8900
Manganese, Total	7439-96-5	mg/l			--	130
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.98
Nickel, Total	7440-02-0	mg/l			--	1.3

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2300
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	15000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1.6
Zinc, Total	7440-66-6	mg/l			--	63
<b>General</b>						
Alkalinity	STL00171	mg/L			--	95
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.31
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	260
Total Hardness	STL00009	mg/L			--	210
Total Suspended Solids	STL00161	mg/L			--	260

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	NSW-020
					Sample ID	NSW-020-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	28
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	63000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.3
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.38
Magnesium, Dissolved	7439-95-4	mg/l			--	8500
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	10
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	0.96
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.1
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	12000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	12
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	860
Antimony, Total	7440-36-0	mg/l			--	0.41
Arsenic, Total	7440-38-2	mg/l			--	2
Barium, Total	7440-39-3	mg/l			--	73
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.13
Calcium, Total	7440-70-2	mg/l			--	63000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.6
Copper, Total	7440-50-8	mg/l			--	11
Iron, Total	7439-89-6	mg/l			--	2700
Lead, Total	7439-92-1	mg/l			--	37
Magnesium, Total	7439-95-4	mg/l			--	8400
Manganese, Total	7439-96-5	mg/l			--	110
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.3
Nickel, Total	7440-02-0	mg/l			--	1.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2300
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.27
Sodium, Total	7440-23-5	mg/l			--	12000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	2.2
Zinc, Total	7440-66-6	mg/l			--	63
<b>General</b>						
Alkalinity	STL00171	mg/L			--	91
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.14
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	260
Total Hardness	STL00009	mg/L			--	190
Total Suspended Solids	STL00161	mg/L			--	260

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-010
					Sample ID	ADW-010-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	49
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	57
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	59000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.3
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.15
Magnesium, Dissolved	7439-95-4	mg/l			--	8300
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	16
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.97
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	14000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	3.2
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	400
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.69
Barium, Total	7440-39-3	mg/l			--	64
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.043
Calcium, Total	7440-70-2	mg/l			--	60000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.28
Copper, Total	7440-50-8	mg/l			--	5.3
Iron, Total	7439-89-6	mg/l			--	720
Lead, Total	7439-92-1	mg/l			--	9.3
Magnesium, Total	7439-95-4	mg/l			--	8500
Manganese, Total	7439-96-5	mg/l			--	70
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.2
Nickel, Total	7440-02-0	mg/l			--	1.2

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2100
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	14000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	0.91
Zinc, Total	7440-66-6	mg/l			--	30
<b>General</b>						
Alkalinity	STL00171	mg/L			--	83
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.15
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	260
Total Hardness	STL00009	mg/L			--	180
Total Suspended Solids	STL00161	mg/L			--	260

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-021
					Sample ID	ADW-021-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	45
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	57
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	60000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	3.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.12
Magnesium, Dissolved	7439-95-4	mg/l			--	8500
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	13
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	2.9
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	3.3
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	0.4
Antimony, Total	7440-36-0	mg/l			--	0.81
Arsenic, Total	7440-38-2	mg/l			--	65
Barium, Total	7440-39-3	mg/l			--	0.15
Beryllium, Total	7440-41-7	mg/l			--	0.078
Cadmium, Total	7440-43-9	mg/l			--	61000
Calcium, Total	7440-70-2	mg/l			--	1
Chromium, Total	7440-47-3	mg/l			--	0.26
Cobalt, Total	7440-48-4	mg/l			--	5.3
Copper, Total	7440-50-8	mg/l			--	760
Iron, Total	7439-89-6	mg/l			--	9.8
Lead, Total	7439-92-1	mg/l			--	8700
Magnesium, Total	7439-95-4	mg/l			--	63
Manganese, Total	7439-96-5	mg/l			--	1.1
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1
Nickel, Total	7440-02-0	mg/l			--	2100

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	0.58
Selenium, Total	7782-49-2	mg/l			--	0.1
Silver, Total	7440-22-4	mg/l			--	13000
Sodium, Total	7440-23-5	mg/l			--	0.1
Thallium, Total	7440-28-0	mg/l			--	0.9
Vanadium, Total	7440-62-2	mg/l			--	29
Zinc, Total	7440-66-6	mg/l			--	
<b>General</b>						
Alkalinity	STL00171	mg/L			--	90
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.15
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	260
Total Hardness	STL00009	mg/L			--	190
Total Suspended Solids	STL00161	mg/L			--	260

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-021
					Sample ID	ADW-021-150810-12
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	57
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	60000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1.3
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.2
Iron, Dissolved	7439-89-6	mg/l	120000		--	34
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.46
Magnesium, Dissolved	7439-95-4	mg/l			--	8500
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	15
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2000
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	300
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.37
Barium, Total	7440-39-3	mg/l			--	62
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.1
Calcium, Total	7440-70-2	mg/l			--	60000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.23
Copper, Total	7440-50-8	mg/l			--	4.8
Iron, Total	7439-89-6	mg/l			--	610
Lead, Total	7439-92-1	mg/l			--	8.3
Magnesium, Total	7439-95-4	mg/l			--	8500
Manganese, Total	7439-96-5	mg/l			--	52
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	0.93

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2100
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	13000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	0.76
Zinc, Total	7440-66-6	mg/l			--	26
<b>General</b>						
Alkalinity	STL00171	mg/L			--	89
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.11
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	240
Total Hardness	STL00009	mg/L			--	180
Total Suspended Solids	STL00161	mg/L			--	240

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-022
					Sample ID	ADW-022-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	39
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	62
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	63000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	3.3
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.15
Magnesium, Dissolved	7439-95-4	mg/l			--	8600
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	14
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.4
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	2.9
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	310
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.42
Barium, Total	7440-39-3	mg/l			--	65
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.059
Calcium, Total	7440-70-2	mg/l			--	62000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.24
Copper, Total	7440-50-8	mg/l			--	4.8
Iron, Total	7439-89-6	mg/l			--	640
Lead, Total	7439-92-1	mg/l			--	8.5
Magnesium, Total	7439-95-4	mg/l			--	8500
Manganese, Total	7439-96-5	mg/l			--	53
Mercury, Total	7439-97-6	mg/l			--	0.031
Molybdenum, Total	7439-98-7	mg/l			--	1
Nickel, Total	7440-02-0	mg/l			--	0.92

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2100
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	12000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	0.65
Zinc, Total	7440-66-6	mg/l			--	27
<b>General</b>						
Alkalinity	STL00171	mg/L			--	93
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.28
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	260
Total Hardness	STL00009	mg/L			--	190
Total Suspended Solids	STL00161	mg/L			--	260

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FW-012
					Sample ID	FW-012-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	36
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	58
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	63000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.073
Magnesium, Dissolved	7439-95-4	mg/l			--	8400
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	12
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.8
Potassium, Dissolved	7440-09-7	mg/l			--	2000
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	15000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	2.8
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	420
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.84
Barium, Total	7440-39-3	mg/l			--	66
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.068
Calcium, Total	7440-70-2	mg/l			--	64000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.31
Copper, Total	7440-50-8	mg/l			--	5.4
Iron, Total	7439-89-6	mg/l			--	790
Lead, Total	7439-92-1	mg/l			--	9.7
Magnesium, Total	7439-95-4	mg/l			--	8600
Manganese, Total	7439-96-5	mg/l			--	75
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	1.3

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2100
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	15000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1
Zinc, Total	7440-66-6	mg/l			--	30
<b>General</b>						
Alkalinity	STL00171	mg/L			--	87
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.16
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	270
Total Hardness	STL00009	mg/L			--	200
Total Suspended Solids	STL00161	mg/L			--	270

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FW-040
					Sample ID	FW-040-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	79
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	64000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.6
Iron, Dissolved	7439-89-6	mg/l	120000		--	91
Lead, Dissolved	7439-92-1	mg/l	200	100	--	1.5
Magnesium, Dissolved	7439-95-4	mg/l			--	8400
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	13
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	0.96
Potassium, Dissolved	7440-09-7	mg/l			--	2000
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	15000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	4.8
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	480
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.37
Barium, Total	7440-39-3	mg/l			--	70
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.066
Calcium, Total	7440-70-2	mg/l			--	67000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.34
Copper, Total	7440-50-8	mg/l			--	5.9
Iron, Total	7439-89-6	mg/l			--	910
Lead, Total	7439-92-1	mg/l			--	11
Magnesium, Total	7439-95-4	mg/l			--	8800
Manganese, Total	7439-96-5	mg/l			--	79
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.2
Nickel, Total	7440-02-0	mg/l			--	1.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2200
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	16000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	1
Zinc, Total	7440-66-6	mg/l			--	32
<b>General</b>						
Alkalinity	STL00171	mg/L			--	90
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.22
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	290
Total Hardness	STL00009	mg/L			--	200
Total Suspended Solids	STL00161	mg/L			--	290

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-020
					Sample ID	LVW-020-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	24
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.48
Barium, Dissolved	7440-39-3	mg/l	33000		--	68
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	50000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.11
Magnesium, Dissolved	7439-95-4	mg/l			--	6700
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	6.7
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.5
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	18000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.48
Zinc, Dissolved	7440-66-6	mg/l	50000		--	2.8
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	3500
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.3
Barium, Total	7440-39-3	mg/l			--	120
Beryllium, Total	7440-41-7	mg/l			--	0.29
Cadmium, Total	7440-43-9	mg/l			--	0.057
Calcium, Total	7440-70-2	mg/l			--	55000
Chromium, Total	7440-47-3	mg/l			--	2.1
Cobalt, Total	7440-48-4	mg/l			--	1.6
Copper, Total	7440-50-8	mg/l			--	6.2
Iron, Total	7439-89-6	mg/l			--	2400
Lead, Total	7439-92-1	mg/l			--	6.5
Magnesium, Total	7439-95-4	mg/l			--	7600
Manganese, Total	7439-96-5	mg/l			--	140
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	2.3

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	3000
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	18000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	5.3
Zinc, Total	7440-66-6	mg/l			--	20
<b>General</b>						
Alkalinity	STL00171	mg/L			--	89
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.08
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	240
Total Hardness	STL00009	mg/L			--	150
Total Suspended Solids	STL00161	mg/L			--	240

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-030
					Sample ID	LVW-030-150809-11
					Date	8/9/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	440
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.49
Barium, Dissolved	7440-39-3	mg/l	33000		--	82
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	53000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.37
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.4
Iron, Dissolved	7439-89-6	mg/l	120000		--	290
Lead, Dissolved	7439-92-1	mg/l	200	100	--	1.1
Magnesium, Dissolved	7439-95-4	mg/l			--	6900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	23
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.6
Potassium, Dissolved	7440-09-7	mg/l			--	2500
Selenium, Dissolved	7782-49-2	mg/l		20	--	2
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	20000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	1.4
Zinc, Dissolved	7440-66-6	mg/l	50000		--	48
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	4300
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	2.6
Barium, Total	7440-39-3	mg/l			--	200
Beryllium, Total	7440-41-7	mg/l			--	0.94
Cadmium, Total	7440-43-9	mg/l			--	0.19
Calcium, Total	7440-70-2	mg/l			--	67000
Chromium, Total	7440-47-3	mg/l			--	2.2
Cobalt, Total	7440-48-4	mg/l			--	4.5
Copper, Total	7440-50-8	mg/l			--	15
Iron, Total	7439-89-6	mg/l			--	3100
Lead, Total	7439-92-1	mg/l			--	13
Magnesium, Total	7439-95-4	mg/l			--	8300
Manganese, Total	7439-96-5	mg/l			--	470
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.58
Nickel, Total	7440-02-0	mg/l			--	4.4

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	3400
Selenium, Total	7782-49-2	mg/l			--	2
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	20000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	9.6
Zinc, Total	7440-66-6	mg/l			--	49
<b>General</b>						
Alkalinity	STL00171	mg/L			--	90
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.08
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	130
Total Hardness	STL00009	mg/L			--	200
Total Suspended Solids	STL00161	mg/L			--	130

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D - Diluted value qualifier.

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-030
					Sample ID	LVW-030-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	24
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.53
Barium, Dissolved	7440-39-3	mg/l	33000		--	70
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	51000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.3
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.069
Magnesium, Dissolved	7439-95-4	mg/l			--	6800
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	6.7
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	18000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.91
Zinc, Dissolved	7440-66-6	mg/l	50000		--	2.8
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	4700
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	1.7
Barium, Total	7440-39-3	mg/l			--	140
Beryllium, Total	7440-41-7	mg/l			--	0.36
Cadmium, Total	7440-43-9	mg/l			--	0.049
Calcium, Total	7440-70-2	mg/l			--	55000
Chromium, Total	7440-47-3	mg/l			--	2.6
Cobalt, Total	7440-48-4	mg/l			--	2.1
Copper, Total	7440-50-8	mg/l			--	7.3
Iron, Total	7439-89-6	mg/l			--	3100
Lead, Total	7439-92-1	mg/l			--	7.9
Magnesium, Total	7439-95-4	mg/l			--	7600
Manganese, Total	7439-96-5	mg/l			--	190
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	2.8

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	3200
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	18000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	7.2
Zinc, Total	7440-66-6	mg/l			--	25
<b>General</b>						
Alkalinity	STL00171	mg/L			--	89
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.08
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	240
Total Hardness	STL00009	mg/L			--	170
Total Suspended Solids	STL00161	mg/L			--	240

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	MW-020
					Sample ID	MW-020-150810-11
					Date	8/10/2015
Recreationa Agriculture						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	39
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	65000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.2
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.31
Magnesium, Dissolved	7439-95-4	mg/l			--	8500
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	14
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2000
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	15000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	3.1
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	530
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.66
Barium, Total	7440-39-3	mg/l			--	69
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.12
Calcium, Total	7440-70-2	mg/l			--	66000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.36
Copper, Total	7440-50-8	mg/l			--	6.1
Iron, Total	7439-89-6	mg/l			--	1000
Lead, Total	7439-92-1	mg/l			--	12
Magnesium, Total	7439-95-4	mg/l			--	8700
Manganese, Total	7439-96-5	mg/l			--	86
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.2
Nickel, Total	7440-02-0	mg/l			--	1.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2100
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	15000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	0.98
Zinc, Total	7440-66-6	mg/l			--	36
<b>General</b>						
Alkalinity	STL00171	mg/L			--	89
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.11
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	270
Total Hardness	STL00009	mg/L			--	200
Total Suspended Solids	STL00161	mg/L			--	270

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	NSW-020
					Sample ID	NSW-020-150010
					Date	11
						8/10/2015
			Recreationa Agriculture			
Metals, Dissolved			IRSL			
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	45
Antimony, Dissolved	7440-36-0	mg/l			--	0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.37
Barium, Dissolved	7440-39-3	mg/l	33000		--	60
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	0.043
Calcium, Dissolved	7440-70-2	mg/l			--	61000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	1
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.3
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.7
Iron, Dissolved	7439-89-6	mg/l	120000		--	17
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.32
Magnesium, Dissolved	7439-95-4	mg/l			--	8500
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	12
Mercury, Dissolved	7439-97-6	mg/l			--	0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2100
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.58
Silver, Dissolved	7440-22-4	mg/l			--	0.1
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	0.1
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.3
Zinc, Dissolved	7440-66-6	mg/l	50000		--	4.3
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	310
Antimony, Total	7440-36-0	mg/l			--	0.4
Arsenic, Total	7440-38-2	mg/l			--	0.37
Barium, Total	7440-39-3	mg/l			--	64
Beryllium, Total	7440-41-7	mg/l			--	0.15
Cadmium, Total	7440-43-9	mg/l			--	0.073
Calcium, Total	7440-70-2	mg/l			--	60000
Chromium, Total	7440-47-3	mg/l			--	1
Cobalt, Total	7440-48-4	mg/l			--	0.22
Copper, Total	7440-50-8	mg/l			--	4.7
Iron, Total	7439-89-6	mg/l			--	640
Lead, Total	7439-92-1	mg/l			--	8.6
Magnesium, Total	7439-95-4	mg/l			--	8400
Manganese, Total	7439-96-5	mg/l			--	45
Mercury, Total	7439-97-6	mg/l			--	0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1
Nickel, Total	7440-02-0	mg/l			--	0.98

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	2100
Selenium, Total	7782-49-2	mg/l			--	0.58
Silver, Total	7440-22-4	mg/l			--	0.1
Sodium, Total	7440-23-5	mg/l			--	12000
Thallium, Total	7440-28-0	mg/l			--	0.1
Vanadium, Total	7440-62-2	mg/l			--	0.74
Zinc, Total	7440-66-6	mg/l			--	24
<b>General</b>						
Alkalinity	STL00171	mg/L			--	99
Chloride	16887-00-6	mg/L			--	
Fluoride	16984-48-8	mg/L			--	
Nitrate as N	14797-55-8	mg/L			--	
pH	STL00204	SU			--	8.12
Sulfate	14808-79-8	mg/L			--	
Total Dissolved Solids	STL00242	mg/L			--	250
Total Hardness	STL00009	mg/L			--	180
Total Suspended Solids	STL00161	mg/L			--	250

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-010
					Sample ID	ADW-010-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	51 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	< 0.37 U
Barium, Dissolved	7440-39-3	mg/l	33000		--	62
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	60000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	3
Iron, Dissolved	7439-89-6	mg/l	120000		--	20 J
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.61
Magnesium, Dissolved	7439-95-4	mg/l			--	8700
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	19
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.9
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.61 J B
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	15000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	5.4 J
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	210
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	0.7 J
Barium, Total	7440-39-3	mg/l			--	65
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.077 J
Calcium, Total	7440-70-2	mg/l			--	60000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.23 J
Copper, Total	7440-50-8	mg/l			--	4.3
Iron, Total	7439-89-6	mg/l			--	410
Lead, Total	7439-92-1	mg/l			--	5.2
Magnesium, Total	7439-95-4	mg/l			--	8600
Manganese, Total	7439-96-5	mg/l			--	59
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	0.93 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2300</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.72 J B</b>
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>15000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.56 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>22</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>83</b>
Chloride	16887-00-6	mg/L			--	<b>12</b>
Fluoride	16984-48-8	mg/L			--	<b>0.33</b>
Nitrate as N	14797-55-8	mg/L			--	< 0.023 U H
pH	STL00204	SU			--	<b>8.22 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>93</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>240</b>
Total Hardness	STL00009	mg/L			--	<b>190</b>
Total Suspended Solids	STL00161	mg/L			--	<b>58</b>

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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-021
					Sample ID	ADW-021-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved			I RSL			
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	36 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	< 0.37 U
Barium, Dissolved	7440-39-3	mg/l	33000		--	62
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	61000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.7
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.18 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	13
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	1.2 J B
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	14000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	4.6 J
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	190 J
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	0.58 J
Barium, Total	7440-39-3	mg/l			--	63
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.099 J
Calcium, Total	7440-70-2	mg/l			--	59000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.22 J
Copper, Total	7440-50-8	mg/l			--	4.3
Iron, Total	7439-89-6	mg/l			--	400
Lead, Total	7439-92-1	mg/l			--	5.1
Magnesium, Total	7439-95-4	mg/l			--	8500
Manganese, Total	7439-96-5	mg/l			--	53
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.98 J
Nickel, Total	7440-02-0	mg/l			--	1.1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2200</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.58 U
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>13000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.45 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>23</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>99</b>
Chloride	16887-00-6	mg/L			--	<b>12</b>
Fluoride	16984-48-8	mg/L			--	<b>0.33</b>
Nitrate as N	14797-55-8	mg/L			--	<b>0.042 J</b>
pH	STL00204	SU			--	<b>8.23 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>89</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>250</b>
Total Hardness	STL00009	mg/L			--	<b>180</b>
Total Suspended Solids	STL00161	mg/L			--	<b>30</b>

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	ADW-022
					Sample ID	ADW-022-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	39 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	< 0.37 U
Barium, Dissolved	7440-39-3	mg/l	33000		--	70
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	65000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.9
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.38
Magnesium, Dissolved	7439-95-4	mg/l			--	8900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	19
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.91 J B
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	75
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	620
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	0.83 J
Barium, Total	7440-39-3	mg/l			--	80
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.17
Calcium, Total	7440-70-2	mg/l			--	67000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.47
Copper, Total	7440-50-8	mg/l			--	5.8
Iron, Total	7439-89-6	mg/l			--	890
Lead, Total	7439-92-1	mg/l			--	12
Magnesium, Total	7439-95-4	mg/l			--	9100
Manganese, Total	7439-96-5	mg/l			--	87
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	1.3

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2400</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.87 J B</b>
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>13000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>1.2</b>
Zinc, Total	7440-66-6	mg/l			--	<b>38</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>96</b>
Chloride	16887-00-6	mg/L			--	<b>11</b>
Fluoride	16984-48-8	mg/L			--	<b>0.31</b>
Nitrate as N	14797-55-8	mg/L			--	< 0.023 U
pH	STL00204	SU			--	<b>8.38 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>88</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>270</b>
Total Hardness	STL00009	mg/L			--	<b>200</b>
Total Suspended Solids	STL00161	mg/L			--	<b>40</b>

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FW-012
					Sample ID	FW-012-150811-11
					Date	8/11/2015
Recreation Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	34 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	< 0.37 U
Barium, Dissolved	7440-39-3	mg/l	33000		--	64
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	66000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	< 0.12 U
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.6
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.13 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8800
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	14
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	1.5 J ^
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	16000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	5.2 J
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	220
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	< 0.37 U
Barium, Total	7440-39-3	mg/l			--	68
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.086 J
Calcium, Total	7440-70-2	mg/l			--	65000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.25 J
Copper, Total	7440-50-8	mg/l			--	3.9
Iron, Total	7439-89-6	mg/l			--	390
Lead, Total	7439-92-1	mg/l			--	5.1
Magnesium, Total	7439-95-4	mg/l			--	8700
Manganese, Total	7439-96-5	mg/l			--	57
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1.1
Nickel, Total	7440-02-0	mg/l			--	0.93 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2200</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.58 U
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>16000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.44 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>20</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>93</b>
Chloride	16887-00-6	mg/L			--	<b>12</b>
Fluoride	16984-48-8	mg/L			--	<b>0.33</b>
Nitrate as N	14797-55-8	mg/L			--	< 0.023 U H
pH	STL00204	SU			--	<b>8.19 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>100</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>270</b>
Total Hardness	STL00009	mg/L			--	<b>200</b>
Total Suspended Solids	STL00161	mg/L			--	<b>24</b>

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Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	FW-040
					Sample ID	FW-040-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	35 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.43 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	65
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	67000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.8
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.22 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	8.2
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.2
Potassium, Dissolved	7440-09-7	mg/l			--	2200
Selenium, Dissolved	7782-49-2	mg/l		20	--	1 J B
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	17000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 2.8 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	260
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	0.7 J
Barium, Total	7440-39-3	mg/l			--	70
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.13
Calcium, Total	7440-70-2	mg/l			--	69000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.28 J
Copper, Total	7440-50-8	mg/l			--	9.5
Iron, Total	7439-89-6	mg/l			--	400
Lead, Total	7439-92-1	mg/l			--	5.7
Magnesium, Total	7439-95-4	mg/l			--	9100
Manganese, Total	7439-96-5	mg/l			--	64
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1
Nickel, Total	7440-02-0	mg/l			--	1.3

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2300</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.72 J B</b>
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>17000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.51 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>37</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>94</b>
Chloride	16887-00-6	mg/L			--	<b>12</b>
Fluoride	16984-48-8	mg/L			--	<b>0.33</b>
Nitrate as N	14797-55-8	mg/L			--	< 0.023 U
pH	STL00204	SU			--	<b>8.26 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>100</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>280</b>
Total Hardness	STL00009	mg/L			--	<b>210</b>
Total Suspended Solids	STL00161	mg/L			--	<b>42</b>

**Bold - Bolded results identify a detected value.**

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-020
					Sample ID	LVW-020-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 24 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.91 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	76
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	59000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.13 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	3.1
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	< 0.06 U
Magnesium, Dissolved	7439-95-4	mg/l			--	7900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	3.2
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2500
Selenium, Dissolved	7782-49-2	mg/l		20	--	0.94 J ^
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	21000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	0.73 J
Zinc, Dissolved	7440-66-6	mg/l	50000		--	30
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	790
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	1.1
Barium, Total	7440-39-3	mg/l			--	110
Beryllium, Total	7440-41-7	mg/l			--	0.17 J
Cadmium, Total	7440-43-9	mg/l			--	< 0.043 U
Calcium, Total	7440-70-2	mg/l			--	60000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.88
Copper, Total	7440-50-8	mg/l			--	4.8
Iron, Total	7439-89-6	mg/l			--	590
Lead, Total	7439-92-1	mg/l			--	3.5
Magnesium, Total	7439-95-4	mg/l			--	7900
Manganese, Total	7439-96-5	mg/l			--	100
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	0.96 J
Nickel, Total	7440-02-0	mg/l			--	1.6

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2500</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.8 J ^</b>
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>20000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>2.3</b>
Zinc, Total	7440-66-6	mg/l			--	<b>110</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>95</b>
Chloride	16887-00-6	mg/L			--	<b>9.4</b>
Fluoride	16984-48-8	mg/L			--	<b>0.27</b>
Nitrate as N	14797-55-8	mg/L			--	<b>0.23 H</b>
pH	STL00204	SU			--	<b>8.22 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>89</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>270</b>
Total Hardness	STL00009	mg/L			--	<b>180</b>
Total Suspended Solids	STL00161	mg/L			--	<b>190</b>

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	LVW-030
					Sample ID	LVW-030-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	< 24 U
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	<b>0.46 J</b>
Barium, Dissolved	7440-39-3	mg/l	33000		--	<b>78</b>
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	<b>59000</b>
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	<b>0.13 J</b>
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	<b>2.1</b>
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	< 0.06 U
Magnesium, Dissolved	7439-95-4	mg/l			--	<b>7800</b>
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	<b>4.5</b>
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	<b>1.3</b>
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	<b>1.2</b>
Potassium, Dissolved	7440-09-7	mg/l			--	<b>2400</b>
Selenium, Dissolved	7782-49-2	mg/l		20	--	<b>1.5 J B</b>
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	<b>21000</b>
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	<b>0.71 J</b>
Zinc, Dissolved	7440-66-6	mg/l	50000		--	<b>35</b>
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	<b>1200</b>
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	<b>1.1</b>
Barium, Total	7440-39-3	mg/l			--	<b>110</b>
Beryllium, Total	7440-41-7	mg/l			--	<b>0.21 J</b>
Cadmium, Total	7440-43-9	mg/l			--	< 0.043 U
Calcium, Total	7440-70-2	mg/l			--	<b>62000</b>
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	<b>1.1</b>
Copper, Total	7440-50-8	mg/l			--	<b>4.9</b>
Iron, Total	7439-89-6	mg/l			--	<b>740</b>
Lead, Total	7439-92-1	mg/l			--	<b>3.5</b>
Magnesium, Total	7439-95-4	mg/l			--	<b>8100</b>
Manganese, Total	7439-96-5	mg/l			--	<b>130</b>
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	<b>0.91 J</b>
Nickel, Total	7440-02-0	mg/l			--	<b>1.8</b>

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2600</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.75 J ^</b>
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>20000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>2.8</b>
Zinc, Total	7440-66-6	mg/l			--	<b>17 J</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>95</b>
Chloride	16887-00-6	mg/L			--	<b>9.1</b>
Fluoride	16984-48-8	mg/L			--	<b>0.27</b>
Nitrate as N	14797-55-8	mg/L			--	<b>0.17 H</b>
pH	STL00204	SU			--	<b>8.2 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>89</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>260</b>
Total Hardness	STL00009	mg/L			--	<b>190</b>
Total Suspended Solids	STL00161	mg/L			--	<b>370</b>

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
Surfacewater Analytical Data - Region 6  
Upper Animas River

Analyte	CAS.NO	Units			Location	MW-020
					Sample ID	MW-020-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	41 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	< 0.37 U
Barium, Dissolved	7440-39-3	mg/l	33000		--	62
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	64000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	< 0.12 U
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.7
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.21 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8900
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	12
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.4
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.3
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	1.2 J B
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	17000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	< 2.8 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	230
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	0.62 J
Barium, Total	7440-39-3	mg/l			--	66
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.078 J
Calcium, Total	7440-70-2	mg/l			--	63000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.24 J
Copper, Total	7440-50-8	mg/l			--	4.2
Iron, Total	7439-89-6	mg/l			--	370
Lead, Total	7439-92-1	mg/l			--	5.2
Magnesium, Total	7439-95-4	mg/l			--	8800
Manganese, Total	7439-96-5	mg/l			--	58
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1
Nickel, Total	7440-02-0	mg/l			--	1

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2300</b>
Selenium, Total	7782-49-2	mg/l			--	<b>0.94 J ^ B</b>
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>16000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.46 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>25</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>87</b>
Chloride	16887-00-6	mg/L			--	<b>12</b>
Fluoride	16984-48-8	mg/L			--	<b>0.33</b>
Nitrate as N	14797-55-8	mg/L			--	< 0.023 U
pH	STL00204	SU			--	<b>8.37 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>100</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>270</b>
Total Hardness	STL00009	mg/L			--	<b>190</b>
Total Suspended Solids	STL00161	mg/L			--	<b>36</b>

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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units			Location	NSW-020
					Sample ID	NSW-020-150811-11
					Date	8/11/2015
Recreationa Agriculture						
Metals, Dissolved I RSL e						
Aluminum, Dissolved	7429-90-5	mg/l	170000		--	38 J
Antimony, Dissolved	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100	--	0.38 J
Barium, Dissolved	7440-39-3	mg/l	33000		--	65
Beryllium, Dissolved	7440-41-7	mg/l	330	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10	--	< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l			--	62000
Chromium, Dissolved	7440-47-3	mg/l	210000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50		--	0.12 J
Copper, Dissolved	7440-50-8	mg/l	6700	100	--	2.8
Iron, Dissolved	7439-89-6	mg/l	120000		--	< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100	--	0.14 J
Magnesium, Dissolved	7439-95-4	mg/l			--	8800
Manganese, Dissolved	7439-96-5	mg/l	7800	200	--	11
Mercury, Dissolved	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l			--	1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200	--	1.6
Potassium, Dissolved	7440-09-7	mg/l			--	2300
Selenium, Dissolved	7782-49-2	mg/l		20	--	1.4 J B
Silver, Dissolved	7440-22-4	mg/l			--	< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l			--	13000
Thallium, Dissolved	7440-28-0	mg/l	1.7		--	< 0.1 U
Vanadium, Dissolved	7440-62-2	mg/l	830		--	< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000		--	3 J
Metals, Total						
Aluminum, Total	7429-90-5	mg/l			--	180 J
Antimony, Total	7440-36-0	mg/l			--	< 0.4 U
Arsenic, Total	7440-38-2	mg/l			--	0.37 J
Barium, Total	7440-39-3	mg/l			--	67
Beryllium, Total	7440-41-7	mg/l			--	< 0.15 U
Cadmium, Total	7440-43-9	mg/l			--	0.093 J
Calcium, Total	7440-70-2	mg/l			--	62000
Chromium, Total	7440-47-3	mg/l			--	< 1 U
Cobalt, Total	7440-48-4	mg/l			--	0.2 J
Copper, Total	7440-50-8	mg/l			--	4
Iron, Total	7439-89-6	mg/l			--	380
Lead, Total	7439-92-1	mg/l			--	5.1
Magnesium, Total	7439-95-4	mg/l			--	8700
Manganese, Total	7439-96-5	mg/l			--	46
Mercury, Total	7439-97-6	mg/l			--	< 0.08 U
Molybdenum, Total	7439-98-7	mg/l			--	1
Nickel, Total	7440-02-0	mg/l			--	0.98 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Potassium, Total	7440-09-7	mg/l			--	<b>2200</b>
Selenium, Total	7782-49-2	mg/l			--	< 0.58 U
Silver, Total	7440-22-4	mg/l			--	< 0.1 U
Sodium, Total	7440-23-5	mg/l			--	<b>13000</b>
Thallium, Total	7440-28-0	mg/l			--	< 0.1 U
Vanadium, Total	7440-62-2	mg/l			--	<b>0.36 J</b>
Zinc, Total	7440-66-6	mg/l			--	<b>21</b>
<b>General</b>						
Alkalinity	STL00171	mg/L			--	<b>92</b>
Chloride	16887-00-6	mg/L			--	<b>11</b>
Fluoride	16984-48-8	mg/L			--	<b>0.32</b>
Nitrate as N	14797-55-8	mg/L			--	< 0.023 U
pH	STL00204	SU			--	<b>8.31 HF</b>
Sulfate	14808-79-8	mg/L			--	<b>88</b>
Total Dissolved Solids	STL00242	mg/L			--	<b>250</b>
Total Hardness	STL00009	mg/L			--	<b>190</b>
Total Suspended Solids	STL00161	mg/L			--	<b>26</b>

**Bold - Bolded results identify a detected value.**

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value

Bold - Bolded	Bold	Bolded results identify a detected value.
J - Data Estimated	J	Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)
MDL - Method Detection Limit	MDL	Method Detection Limit
PQL - Practical Quantitation Limit	PQL	Practical Quantitation Limit, also known as reporting limit.
U - Analyte not detected at or above MDL qualifier	U	Analyte not detected at or above MDL qualifier
D - Diluted value	D	Diluted value qualifier.
mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.	mg/L	Parts per million (milligrams per liter). Solids equivalent = mg/Kg.
ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg	ug/L	Parts per billion (micrograms per liter). Solids equivalent = ug/Kg